

AMENDMENTS TO THE SPECIFICATION:

Please replace paragraph [0031] with the following amended paragraph:

[0031] The ion clearing electrode (ICE) 142 removes positive ions from the electron beam 105. The ICE 142 may be a multi-sided rotatable field ion clearing electrode (RICE), multiple multi-sided ion clearing electrodes (ICE), a periodic axial field ion controlling electrode (PICE), or a single potential ion clearing electrode (SPICE), for example. The ICE ~~140~~ 142 is terminated by the PIE or ion trap 144.